



PENDING CLAIMS

Clean Versions of Pending Claims under 37 C.F.R. 1.121(c)(3)

1. A recombinant polypeptide having the ability to bind TNF, wherein said polypeptide is encoded by a nucleic acid molecule comprising a nucleotide sequence as set forth in any of SEQ ID NO: 3, SEQ ID NO: 5, SEQ ID NO: 7, SEQ ID NO: 9, SEQ ID NO: 11, SEQ ID NO: 13, SEQ ID NO: 15, SEQ ID NO: 17, SEQ ID NO: 19, residues 4 through 549 of SEQ ID NO: 9, residues 4 through 519 of SEQ ID NO: 15, or residues 4 through 516 of SEQ ID NO: 19.
2. The recombinant polypeptide of Claim 1, wherein the nucleic acid molecule comprises the nucleotide sequence as set forth in SEQ ID NO: 9.
3. The recombinant polypeptide of Claim 1, wherein the nucleic acid molecule comprises the nucleotide sequence as set forth in SEQ ID NO: 15.
4. The recombinant polypeptide of Claim 1, wherein the nucleic acid molecule comprises the nucleotide sequence as set forth in SEQ ID NO: 19.
5. The recombinant polypeptide of Claim 1, wherein the nucleic acid molecule comprises the nucleotide sequence as set forth in SEQ ID NO: 5.
6. The recombinant polypeptide of Claim 1, wherein the nucleic acid molecule comprises the nucleotide sequence as set forth in SEQ ID NO: 7.
7. The recombinant polypeptide of Claim 1, wherein the nucleic acid molecule comprises the nucleotide sequence as set forth in SEQ ID NO: 13.
8. The recombinant polypeptide of Claim 1, wherein the nucleic acid molecule comprises the nucleotide sequence as set forth in SEQ ID NO: 11.

9. The recombinant polypeptide of Claim 1, wherein the nucleic acid molecule comprises the nucleotide sequence as set forth in SEQ ID NO: 17.

10. The recombinant polypeptide of Claim 1, wherein the nucleic acid molecule comprises residues 4 through 549 of the nucleotide sequence as set forth in SEQ ID NO: 9.

11. The recombinant polypeptide of Claim 1, wherein the nucleic acid molecule comprises residues 4 through 519 of the nucleotide sequence as set forth in SEQ ID NO: 15.

12. The recombinant polypeptide of Claim 1, wherein the nucleic acid molecule comprises residues 4 through 516 of the nucleotide sequence as set forth in SEQ ID NO: 19.

13. The recombinant polypeptide of Claim 1, wherein the nucleic acid molecule comprises the nucleotide sequence as set forth in SEQ ID NO: 3.

14. A recombinant polypeptide that is encoded by a nucleic acid molecule comprising the nucleotide sequence of SEQ ID NO: 1.

15. A recombinant polypeptide having the ability to bind TNF, wherein said polypeptide comprises an amino acid sequence as set forth in any of SEQ ID NO: 4, SEQ ID NO: 6, SEQ ID NO: 8, SEQ ID NO: 10, SEQ ID NO: 12, SEQ ID NO: 14, SEQ ID NO: 16, SEQ ID NO: 18, SEQ ID NO: 20, residues 2 through 183 of SEQ ID NO: 10, residues 2 through 173 of SEQ ID NO: 16, or residues 2 through 172 of SEQ ID NO: 20; and

wherein said polypeptide has:

- (a) at least one conservative amino acid substitution;
- (b) at least one amino acid substitution at a glycosylation site;
- (c) at least one amino acid substitution at a proteolytic cleavage site;
- (d) at least one amino acid substitution at a cysteine residue;
- (e) at least one amino acid deletion;

(f) at least one amino acid insertion;

(g) a C- and/or N-terminal truncation; or

(h) a combination of modifications selected from the group consisting of conservative amino acid substitutions, amino acid substitutions at a glycosylation site, amino acid substitutions at a proteolytic cleavage site, amino acid substitutions at a cysteine residue, amino acid deletions, amino acid insertions, C-terminal truncation, and N-terminal truncation.

16. The recombinant polypeptide of Claim 15, wherein said encoded polypeptide has at least one conservative amino acid substitution.

17. The recombinant polypeptide of Claim 15, wherein said encoded polypeptide has at least one amino acid substitution at a glycosylation site.

18. The recombinant polypeptide of Claim 15, wherein said encoded polypeptide has at least one amino acid substitution at a proteolytic cleavage site.

19. The recombinant polypeptide of Claim 15, wherein said encoded polypeptide has at least one amino acid substitution at a cysteine residue.

20. The recombinant polypeptide of Claim 15, wherein said encoded polypeptide has at least one amino acid deletion.

21. The recombinant polypeptide of Claim 15, wherein said encoded polypeptide has at least one amino acid insertion.

22. The recombinant polypeptide of Claim 15, wherein said encoded polypeptide has a C- and/or N-terminal truncation.

23. A recombinant polypeptide having the ability to bind TNF, wherein said polypeptide comprises an amino acid sequence as set forth in any of SEQ ID NO: 4, SEQ ID NO:

6, SEQ ID NO: 8, SEQ ID NO: 10, SEQ ID NO: 12, SEQ ID NO: 14, SEQ ID NO: 16, SEQ ID NO: 18, SEQ ID NO: 20, residues 2 through 183 of SEQ ID NO: 10, residues 2 through 173 of SEQ ID NO: 16, or residues 2 through 172 of SEQ ID NO: 20.

24. The recombinant polypeptide of Claim 23, wherein said encoded polypeptide comprises the amino acid sequence as set forth in SEQ ID NO: 10.

25. The recombinant polypeptide of Claim 23, wherein said encoded polypeptide comprises the amino acid sequence as set forth in SEQ ID NO: 16.

26. The recombinant polypeptide of Claim 23, wherein said encoded polypeptide comprises the amino acid sequence as set forth in SEQ ID NO: 20.

27. The recombinant polypeptide of Claim 23, wherein said encoded polypeptide comprises the amino acid sequence as set forth in SEQ ID NO: 6.

28. The recombinant polypeptide of Claim 23, wherein said encoded polypeptide comprises the amino acid sequence as set forth in SEQ ID NO: 8.

29. The recombinant polypeptide of Claim 23, wherein said encoded polypeptide comprises the amino acid sequence as set forth in SEQ ID NO: 14.

30. The recombinant polypeptide of Claim 23, wherein said encoded polypeptide comprises the amino acid sequence as set forth in SEQ ID NO: 12.

31. The recombinant polypeptide of Claim 23, wherein said encoded polypeptide comprises the amino acid sequence as set forth in SEQ ID NO: 18.

32. The recombinant polypeptide of Claim 23, wherein said encoded polypeptide comprises residues 2 through 183 of the amino acid sequence as set forth in SEQ ID NO: 10.

33. The recombinant polypeptide of Claim 23, wherein said encoded polypeptide comprises residues 2 through 173 of the amino acid sequence as set forth in SEQ ID NO: 16.

34. The recombinant polypeptide of Claim 23, wherein said encoded polypeptide comprises residues 2 through 172 of the amino acid sequence as set forth in SEQ ID NO: 20.

35. The recombinant polypeptide of Claim 23, wherein said encoded polypeptide comprises the amino acid sequence as set forth in SEQ ID NO: 4.

36. A recombinant polypeptide comprising the amino acid sequence of SEQ ID NO: 2.

37. A recombinant polypeptide having the ability to bind TNF, wherein said polypeptide comprises the amino acid sequence of SEQ ID NO: 4 or a C- and/or N-terminally shortened sequence thereof.

38. The recombinant polypeptide of Claim 37 wherein said polypeptide further comprises an amino-terminal methionine.

39. The recombinant polypeptide of Claim 37, wherein said polypeptide comprises a C-terminally shortened sequence of the amino acid sequence of SEQ ID NO: 4.

40. The recombinant polypeptide of Claim 39, wherein said polypeptide further comprises an amino-terminal methionine.

41. A recombinant polypeptide having the ability to bind TNF, wherein said polypeptide consists of the amino acid sequence of SEQ ID NO: 4.

42. A recombinant polypeptide having the ability to bind TNF, wherein said

polypeptide consists of the amino acid sequence of SEQ ID NO: 4 and an amino-terminal methionine.

43. A recombinant polypeptide having the ability to bind TNF, wherein said polypeptide consists of a C-terminally shortened sequence of the amino acid sequence of SEQ ID NO: 4.

44. A recombinant polypeptide having the ability to bind TNF, wherein said polypeptide consists of a C-terminally shortened sequence of the amino acid sequence of SEQ ID NO: 4 and an amino-terminal methionine.

45. The recombinant polypeptide of either Claims 15 or 23, wherein said polypeptide has at least one additional amino acid at the amino-terminus, at the carboxyl-terminus, or at both the amino-terminus and the carboxyl-terminus.

46. The recombinant polypeptide of Claim 45, wherein said polypeptide has at least one additional amino acid at the amino-terminus.

47. The recombinant polypeptide of Claim 46, wherein said polypeptide has a methionine at the amino-terminus.

48. The recombinant polypeptide of Claim 45, wherein said polypeptide has at least one additional amino acid at the carboxyl-terminus.

49. A recombinant polypeptide having the ability to bind TNF, wherein said polypeptide is encoded by a nucleic acid which hybridizes under moderately or highly stringent conditions to the complement of the nucleic acid molecule defined in Claim 1.

50. The polypeptide of any of Claims 1, 15, or 23, wherein said polypeptide is chemically derivatized.

51. The polypeptide of any of Claims 1, 14, 15, 23, 36, 37, 41, 42, 43, 44, or 49, wherein said polypeptide is not glycosylated.

52. The polypeptide of any of Claims 1, 14, 15, 23, 36, 37, 41, 42, 43, 44, or 49, wherein said polypeptide is glycosylated.

53. The polypeptide of Claim 52, wherein said polypeptide is glycosylated by a CHO cell.